

ABSTRACT

The present invention relates to a clean assembling module device, which is capable of ensuring the cleanliness in a working area for performing assembling, working, carrying or the like of a work and of downsizing of the device, and a production system constructed by using it, an industrial robot and a contamination propagation preventing system. The clean assembling module device (1) is provided with a clean air generating means (2) at the upper part of the device and is constructed to include from the upper part side of the device a working area (A), a clean air retaining and exhausting area (B), and a mechanism section area (C). The outer periphery of the working area (A) is covered by a clean region shielding wall (3), and the flow-resistance of the working area (A) and the clean air retaining and exhausting area (B) is controlled by a partition wall (4) having a plurality of small holes. The air flowing through the working area (A) and the clean air retaining and exhausting area (B) is exhausted to the outside of the device with an exhaust fan (5). The working area (A) is set to be a positive pressure and the mechanism section area (C) is depressurized with respect to the working area (A). The pressure of the clean air retaining and exhausting area (B) is adjusted so as to be an intermediate pressure between those of the working area (A) and the mechanism section area (C) by the small holes of the partition wall (4) and the rotational speed of the exhaust fan (5).